

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	13	("20010047760"   "20020153103"   "20030209423"   "3666982"   "5795452"   "5846883"   "5973447"   "6197165"   "6093293"   "6284106"   "6413382"   "6454920"   "6488822").PN.	US-PGPUB; USPAT	ADJ	OFF	2007/10/15 09:35
S2	0	60/481671.app.	US-PGPUB; USPAT	ADJ	OFF	2007/09/10 07:17
S3	1	10/710946.app.	US-PGPUB; USPAT	ADJ	OFF	2007/10/01 10:05
S4	0	427/457.ccls	US-PGPUB; USPAT	ADJ	OFF	2007/10/15 09:36
S5	231	427/457.ccls.	US-PGPUB; USPAT	ADJ	OFF	2007/10/15 09:36
S6	3	60/481671	US-PGPUB; USPAT	ADJ	OFF	2007/11/07 08:24
S7	767	134/1.1.ccls.	US-PGPUB; USPAT	ADJ	OFF	2007/11/07 08:27
S8	528	segment\$4 NEAR cathod \$3	US-PGPUB; USPAT	ADJ	OFF	2007/12/10 09:20
S9	684	segment\$4 NEAR cathod \$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2007/12/10 09:20
S10	20	segment\$4 NEAR cathod \$3 AND pulse\$1 AND ignit\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2007/12/10 09:26
S11	2	(segment\$4 NEAR cathode) AND (voltage NEAR train)	US-PGPUB; USPAT	ADJ	OFF	2008/01/18 09:17
S12	7	(segment\$4 NEAR cathode) AND (voltage NEAR series)	US-PGPUB; USPAT	ADJ	OFF	2008/01/18 09:17
S13	7	(segment\$4 NEAR cathode) AND (voltage NEAR series)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/01/18 09:18
S14	10	(segment\$4 NEAR cathode) AND (voltage NEAR (Train OR series))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/01/18 09:18

S15	5	(segment\$4 NEAR cathode) AND (voltage NEAR (ignit\$4)) and (series or pulse)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/01/18 09:19
S16	22	(segment\$4 NEAR cathode) AND (voltage AND (ignit\$4)) and (series or pulse)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/01/18 09:19
S17	0	(segment\$4 NEAR cathode) AND (ignit4 \$5) AND switch	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/01/18 09:52
S18	15	(segment\$4 NEAR cathode) AND ignit\$5 AND switch	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/01/18 09:52
S19	24	("20010047760"   "20020153103"   "20030209423"   "3666982"   "5795452"   "5846883"   "5973447"   "6197165"   "6093293"   "6284106"   "6413382"   "6454920"   "6488822").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/01/18 09:57
S20	955	segment\$4 AND magnet \$4 AND plasma\$3 AND ignit\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/01/22 08:44
S21	105	segment\$4 AND magnet \$4 AND plasma\$3 AND ignit\$4 AND "204".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/01/22 08:44
S22	4	segment\$4 AND magnet \$4 AND plasma\$3 AND ignit\$4 NEAR (chain or successive) AND pulse	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/01/22 09:45
S23	0	cathod\$4 NEAR segment \$4 AND magnet\$4 AND plasma\$3 AND ignit\$4 AND (chain or successive) AND pulse	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/01/22 09:51
S24	0	(cathod\$4 NEAR segment\$4) AND magnet\$4 AND plasma \$3 AND ignit\$4 AND (chain or successive) AND pulse	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/01/22 09:51
S25	0	(cathod\$4 NEAR segment\$4) AND magnet\$4 AND plasma \$3 AND ignit\$4 pulse	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/01/22 09:52

S26	11	(cathod\$4 NEAR segment\$4) AND magnet\$4 AND plasma \$3 AND ignit\$4 AND pulse	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/01/22 09:52
S27	23	(cathod\$4 NEAR segment\$4) AND magnet\$4 AND plasma \$3 AND pulse	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/01/22 10:05
S28	589	204/298.06.ccls.	US-PGPUB; USPAT; JPO; DERWENT	ADJ	OFF	2008/01/23 10:16
S29	920	204/298.06.ccls. OR 204/298.08.ccls.	US-PGPUB; USPAT; JPO; DERWENT	ADJ	OFF	2008/01/23 10:16
S30	857	204/298.06.ccls. OR 204/298.08.ccls. AND (segment\$4 NEAR cathode OR target)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/01/23 10:16
S31	736	(204/298.06.ccls. OR 204/298.08.ccls.) AND (segment\$4 NEAR cathode OR target)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/01/23 10:16
S32	9	(204/298.06.ccls. OR 204/298.08.ccls.) AND (segment\$4 NEAR (cathode OR target))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/01/23 10:18
S33	7	"6143149"	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/01/23 10:23
S34	80	(204/298.06.ccls. OR 204/298.08.ccls.) AND (segment\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/01/23 10:34
S35	38	(204/298.06.ccls. OR 204/298.08.ccls.) AND cathode and anode and seg\$8	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/01/23 10:55
S36	0	(204/298.ccls.) AND cathode and anode and seg\$8	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/01/23 11:41
S37	0	(204/298.clas.) AND cathode and anode and seg\$8	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/01/23 11:41
S38	0	(204/298.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/01/23 11:44
S39	0	(204/298.clas.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/01/23 11:45

S40	3591	plasma AND ignit\$4 and (pulse OR voltage ADJ train)	US-PGPUB; USPAT	ADJ	OFF	2008/01/24 09:32
S41	3591	plasma AND ignit\$4 and (pulse OR (voltage ADJ train))	US-PGPUB; USPAT	ADJ	OFF	2008/01/24 09:32
S42	988	plasma AND ignit\$4 and (pulse OR (voltage ADJ train)) AND cathode and anode	US-PGPUB; USPAT	ADJ	OFF	2008/01/24 09:32
S43	501	plasma AND ignit\$4 and (pulse OR (voltage ADJ train)) AND cathode and anode and (sputter\$4 OR deposition)	US-PGPUB; USPAT	ADJ	OFF	2008/01/24 09:32
S44	142	plasma AND ignit\$4 and (pulse OR (voltage ADJ train)) AND cathode and anode and (sputter\$4 OR deposition) AND switch AND output	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/01/24 09:33
S45	26	plasma AND ignit\$4 and (pulse OR (voltage ADJ train)) AND ((segment\$3 OR multiple) NEAR cathode) and anode and (sputter\$4 OR deposition)	US-PGPUB; USPAT	ADJ	OFF	2008/01/24 09:53
S46	27	plasma AND ignit\$4 and (pulse OR (voltage ADJ train)) AND ((segment\$3 OR multiple) NEAR cathode) and anode and (sputter\$4 OR deposition)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/01/24 09:53
S47	24	("20010047760"   "20020153103"   "20030209423"   "3666982"   "5795452"   "5846883"   "5973447"   "6197165"   "6093293"   "6284106"   "6413382"   "6454920"   "6488822").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/01/24 09:59
S48	183	pulse AND voltage AND (weak\$3 OR strong\$3) NEAR ioniz\$7 AND plasma	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/01/24 10:28

S49	34	pulse AND voltage AND (weak\$3 AND strong\$3) NEAR ioniz\$7 AND plasma	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/01/24 11:17
S50	34	pulse AND voltage AND ((weak\$3 AND strong \$3) NEAR ioniz\$7) AND plasma	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/01/24 11:17
S51	99	(voltage NEAR pulse\$1) AND (weak\$3 OR strong \$3) NEAR ioniz\$7 AND plasma	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/01/24 11:27
S52	12684	(target NEAR material) AND (multiple OR many)	US-PGPUB; USPAT; JPO; DERWENT	ADJ	OFF	2008/01/28 08:26
S53	2132	(target NEAR material) AND (multiple OR many) AND "204".clas.	US-PGPUB; USPAT; JPO; DERWENT	ADJ	OFF	2008/01/28 08:26
S54	1599	(target NEAR material) AND (multiple OR many) AND "204".clas. AND layer	US-PGPUB; USPAT; JPO; DERWENT	ADJ	OFF	2008/01/28 08:26
S55	0	(target NEAR material) NEAR(multiple OR many) AND "204".clas. AND layer	US-PGPUB; USPAT; JPO; DERWENT	ADJ	OFF	2008/01/28 08:27
S56	0	(target NEAR material) NEAR (multiple OR many) AND "204".clas. AND layer	US-PGPUB; USPAT; JPO; DERWENT	ADJ	OFF	2008/01/28 08:27
S57	0	((target NEAR material) NEAR (multiple OR many)) AND "204".clas. AND layer	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/01/28 08:27
S58	164	((target NEAR material) NEAR (layer\$3)) AND "204".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/01/28 08:28
S59	17	multiple NEAR target NEAR material	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/01/28 08:34
S60	7207	different AND target NEAR material AND layers	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/01/28 08:36
S61	5052	different AND target NEAR material AND layers AND deposition \$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/01/28 08:36
S62	2786	different AND multiple AND target NEAR material AND layers AND deposition\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/01/28 08:37

S63	75	(different OR multiple) NEAR target NEAR material AND layers AND deposition\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/01/28 08:38
S64	0	excited ADJ atom source gas AND (sputtering or deposition)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/01/28 09:02
S65	0	excited ADJ atom gas AND (sputtering or deposition)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/01/28 09:02
S66	5	(excited NEAR atom NEAR gas) AND (sputtering or deposition)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/01/28 09:02
S67	31	("20020153103"   "3619605"   "4060708"   "4148612"   "4546253"   "4703222"   "4716340"   "4792725"   "4802183"   "4919690"   "4953174"   "4977352"   "5015493"   "5083061"   "5247531"   "5247535"   "5382457"   "5506405"   "5733418"   "5821548"   "6057244"   "6094012"   "6124675"   "6137231"   "6207951"   "6296742"   "6395641"   "6413382"   "6413383"   "6462482").PN. OR ("6806652").URPN.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2008/01/28 09:02
S68	27	((train NEAR voltage) AND pulse\$3) AND plasma	US-PGPUB; USPAT; USOCR	ADJ	OFF	2008/01/28 09:29
S69	32	((train NEAR voltage) AND pulse\$3) AND plasma	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/01/28 09:29
S70	0	181/723.ccls.	US-PGPUB; USPAT; JPO; DERWENT	ADJ	OFF	2008/01/29 06:47
S71	0	118/723.ccls.	US-PGPUB; USPAT; JPO; DERWENT	ADJ	OFF	2008/01/29 06:48
S72	0	118/723.clas.	US-PGPUB; USPAT; JPO; DERWENT	ADJ	OFF	2008/01/29 06:48

S73	0	118/723.ccls.	US-PGPUB; USPAT; JPO; DERWENT	ADJ	OFF	2008/01/29 06:49
S74	1201	118/723R.ccls.	US-PGPUB; USPAT; JPO; DERWENT	ADJ	OFF	2008/01/29 06:50
S75	11	118/723R.ccls. AND train	US-PGPUB; USPAT; JPO; DERWENT	ADJ	OFF	2008/01/29 06:50
S76	189	118/723R.ccls. AND cathode AND (multiple or many)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/01/29 07:52
S77	3	118/723R.ccls. AND cathode NEAR (multiple or many)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/01/29 07:53
S78	43	118/723R.ccls. AND weak AND strong AND plasma	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/01/29 08:20
S79	0	118/723R.ccls. AND ((weak AND strong) NEAR plasma)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/01/29 08:20
S80	43	118/723R.ccls. AND ((weak AND strong) AND plasma)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/01/29 08:21
S81	7	118/723R.ccls. AND ((weak AND strong) AND plasma) AND amplitude	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/01/29 08:23
S82	368	313/153.ccls.	US-PGPUB; USPAT; JPO; DERWENT	ADJ	OFF	2008/02/06 07:39
S83	30	"315".clas. AND (voltage NEAR train)	US-PGPUB; USPAT; JPO; DERWENT	ADJ	OFF	2008/02/06 07:42
S84	2	"315".clas. AND (voltage NEAR train) and plasma	US-PGPUB; USPAT; JPO; DERWENT	ADJ	OFF	2008/02/06 08:38
S85	0	(voltage NEAR intensity) NEAR ((strong \$2 or weak\$2) NEAR plasma)	US-PGPUB; USPAT; JPO; DERWENT	ADJ	OFF	2008/02/06 08:39
S86	0	(voltage) NEAR ((strong \$2 or weak\$2) NEAR plasma)	US-PGPUB; USPAT; JPO; DERWENT	ADJ	OFF	2008/02/06 08:39
S87	548	(voltage) AND ((strong \$2 or weak\$2) NEAR plasma)	US-PGPUB; USPAT; JPO; DERWENT	ADJ	OFF	2008/02/06 08:39
S88	74	(voltage NEAR2 pulse) AND ((strong\$2 or weak \$2) NEAR plasma)	US-PGPUB; USPAT; JPO; DERWENT	ADJ	OFF	2008/02/06 08:47

S89	40	(voltage NEAR2 pulse) AND ((strong\$2 or weak \$2) ioniz\$4 NEAR plasma)	US-PGPUB; USPAT; JPO; DERWENT	ADJ	OFF	2008/02/06 08:47
S90	40	(voltage NEAR2 pulse) AND ((strong\$2 or weak \$2) NEAR ioniz\$4 NEAR plasma)	US-PGPUB; USPAT; JPO; DERWENT	ADJ	OFF	2008/02/06 09:13
S91	14	anode NEAR (gas injector)	US-PGPUB; USPAT; JPO; DERWENT	ADJ	OFF	2008/02/06 09:28
S92	6754997	"15"	US-PGPUB; USPAT; JPO; DERWENT	ADJ	OFF	2008/02/06 09:13
S94	3	(excited atom source NEAR chamber) and ("204".clas. OR deposition or plating)	US-PGPUB; USPAT; JPO; DERWENT	ADJ	OFF	2008/02/06 09:31
S95	3	((excited atom source) NEAR chamber) and ("204".clas. OR deposition or plating)	US-PGPUB; USPAT; JPO; DERWENT	ADJ	OFF	2008/02/06 09:31
S96	15	((excited atom source)) and ("204".clas. OR deposition or plating)	US-PGPUB; USPAT; JPO; DERWENT	ADJ	OFF	2008/02/06 09:32
S97	7	((excited atom source)) and ("204".clas.)	US-PGPUB; USPAT; JPO; DERWENT	ADJ	OFF	2008/02/06 09:35
S98	28	((excited atom)) and ("204".clas.)	US-PGPUB; USPAT; JPO; DERWENT	ADJ	OFF	2008/02/06 09:36
S99	20	((excited atom) NEAR (inlet OR source)) and ("204".clas. OR deposition OR sputter \$4)	US-PGPUB; USPAT; JPO; DERWENT	ADJ	OFF	2008/02/06 09:37
S100	20	((excited atom) NEAR (inlet OR source))	US-PGPUB; USPAT; JPO; DERWENT	ADJ	OFF	2008/02/06 09:37
S101	21	((excited atom) NEAR (inlet OR source or chamber))	US-PGPUB; USPAT; JPO; DERWENT	ADJ	OFF	2008/02/06 09:37
S102	31	((excit\$3 NEAR5 atom) NEAR (inlet OR source or chamber))	US-PGPUB; USPAT; JPO; DERWENT	ADJ	OFF	2008/02/06 09:38
S103	1595	((excit\$3 NEAR5 (gas OR molecule OR atom)) NEAR (inlet OR source or chamber))	US-PGPUB; USPAT; JPO; DERWENT	ADJ	OFF	2008/02/06 09:39



S104	907	((excit\$3 NEAR5 (gas OR molecule OR atom)) NEAR (inlet OR source or chamber)) AND ("204".clas. OR deposition OR sputter \$3)	US-PGPUB; USPAT; JPO; DERWENT	ADJ	OFF	2008/02/06 09:39
S105	120	((excit\$3 NEAR5 (gas OR molecule OR atom)) NEAR (inlet OR source or chamber)) AND ("204".clas.)	US-PGPUB; USPAT; JPO; DERWENT	ADJ	OFF	2008/02/06 09:42
S106	127	((excit\$3 NEAR5 (gas OR molecule OR atom)) OR (halogen ADJ ion \$4)) NEAR (inlet OR source or chamber)) AND ("204".clas.)	US-PGPUB; USPAT; JPO; DERWENT	ADJ	OFF	2008/02/06 09:43
S107	7	S106 NOT S105	US-PGPUB; USPAT; JPO; DERWENT	ADJ	OFF	2008/02/06 09:42
S108	7	((metastable atom) NEAR (inlet OR source or chamber)) AND ("204".clas.)	US-PGPUB; USPAT; JPO; DERWENT	ADJ	OFF	2008/02/06 09:43
S109	28	((metastable atom) NEAR (inlet OR source or chamber))	US-PGPUB; USPAT; JPO; DERWENT	ADJ	OFF	2008/02/06 09:47
S110	60	((metastable\$1 NEAR4 (atom OR ion\$1)) NEAR (inlet OR source or chamber))	US-PGPUB; USPAT; JPO; DERWENT	ADJ	OFF	2008/02/06 09:49
S111	38	(segment\$3 NEAR3 cathode) NEAR30 (horizontal or vertical)	US-PGPUB; USPAT; JPO; DERWENT	ADJ	OFF	2008/02/06 09:50
S112	2	"6093293".pn.	US-PGPUB; USPAT; JPO; DERWENT	ADJ	OFF	2008/02/06 13:38
S113	1519	(sputter\$4 or deposit \$3) AND insulated gate bipolar transistor	US-PGPUB; USPAT; JPO; DERWENT	ADJ	OFF	2008/02/06 13:41
S114	235	("204".clas. OR "315".clas.) AND insulated gate bipolar transistor	US-PGPUB; USPAT; JPO; DERWENT	ADJ	OFF	2008/02/06 13:42
S115	19	("204".clas.) AND insulated gate bipolar transistor	US-PGPUB; USPAT; JPO; DERWENT	ADJ	OFF	2008/02/06 13:43
S116	2	"5410425".pn.	US-PGPUB; USPAT; JPO; DERWENT	ADJ	OFF	2008/02/06 13:50

S117	180	segment\$3 NEAR4 magnet\$4 NEAR4 cylinder	US-PGPUB; USPAT; JPO; DERWENT	ADJ	OFF	2008/02/06 13:54
S118	0	(segment\$3 NEAR3 cathode) NEAR30 ((position OR location OR "relative to target") NEAR5 (unique OR different OR alternative))	US-PGPUB; USPAT; JPO; DERWENT	ADJ	OFF	2008/02/06 14:23
S119	1367	(segment\$3 NEAR3 cathode)	US-PGPUB; USPAT; JPO; DERWENT	ADJ	OFF	2008/02/06 14:23
S120	138	(segment\$3 NEAR3 cathode) AND plasma AND (sputter\$4 or deposit\$4)	US-PGPUB; USPAT; JPO; DERWENT	ADJ	OFF	2008/02/06 14:23
S121	2	09/805331.app.	US-PGPUB; USPAT; JPO; DERWENT	ADJ	OFF	2008/02/14 08:14

2/14/2008 9:29:58 AM

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